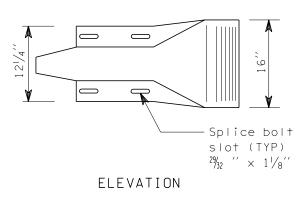
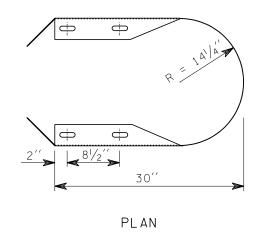


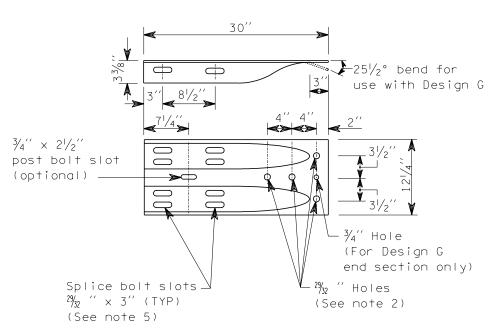
-Splice bolt slot (TYP)  $\frac{3}{4}'' \times 2\frac{1}{2}''$  $\frac{29}{32}$  " × 1  $\frac{1}{8}$ " Post bolt slot  $-\frac{3}{8}$ " hole (optional) -9**V** ELEVATION

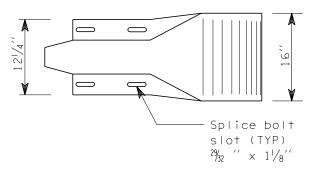
DESIGN A



DESIGN C





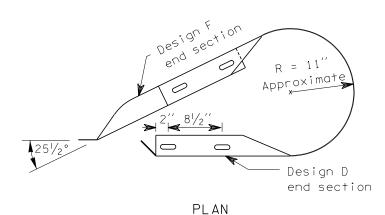


DESIGN F (See Note 4)

ELEVATION DESIGN D

## NOTES

- 1. End Section Design G shall be used except where noted on the plans or contract.
- 2. Bolts shall be  $\frac{7}{8}$  ASHTO M 164 chemically bonded anchors. Anchor installation shall be per manufacturer's recommendations, in dry conditions.
- 3. A single piece having similar dimensional shape to Design G and mating with the W-beam guardrail is an alternate.
- 4. In cases where Design "F" end section is lapped on the outside of the guardrail, a galvanized 1" ID, 2" OD, 0.134" thick, narrow Type A Plain Washer or a anchor rail washer shall be placed under the splice bolt heads.



Splice bolt slot (TYP)  $^{29}/_{32}$  '' × 1  $^{1}/_{8}$ ' 0 0 ELEVATION





BEAM GUARDRAIL END SECTIONS STANDARD PLAN C-7

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE
THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED

Changed "terminal" to "End Section" in RBA NOTE 4 and DESIGN G PLAN DATE

REVISION

APPROVED FOR PUBLICATION

Clifford E. Mansfield

DEPUTY STATE DESIGN ENGINEER

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION OLYMPIA, WASHINGTON

8/10/98